

Converting Colors

XYZ(30.6177, 59.4240, 11.7591)

Have a look what the booklet for
XYZ(30.6177, 59.4240, 11.7591)
contains.

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Color

**XYZ(30.6257, 59.4235,
11.7752)**

Conversions

Conversions Part 1

Format	Color
Hex	27EA27
RGB	39, 234, 39
RGB Percent	15%, 92%, 15%
CMY	0.8471, 0.0823, 0.8470
CMYK	0.83, 0.00, 0.83, 0.08
HSL	120°, 82%, 54%
HSV	120°, 83%, 92%
XYZ	30.6257, 59.4235, 11.7752
YIQ	153.4650, -53.6250, -101.9850

Conversions

Conversions Part 2

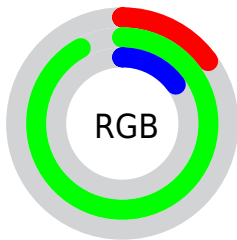
Format	Color
RYB	39, 234, 234
Decimal	2615847
CIELab	81.52, -77.58, 72.86
CIElCh	82, 106.427, 136.797
Yxy	59.4235, 0.3008, 0.5836
Android (android.graphics.Color)	4280805927 (0xFF27EA27)
YUV	153.4650, -56.4312, -100.3858
Hunter-Lab	77.0866, -63.9855, 44.9039

Details

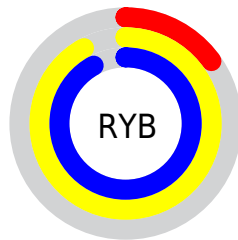
The XYZ color **30.6257, 59.4235, 11.7752** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **49.5087, 24.8842, 80.0297**, and the grayscale version is **30.7382, 32.3389, 35.2171**.

A 20% lighter version of the original color is **46.3766, 76.7102, 25.1942**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **29.7216, 58.9910, 10.2951**, and if you desaturate by 10%, it is **32.3166, 60.2375, 14.5403**.

Distribution



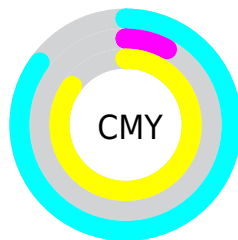
- Red (15%)
- Green (92%)
- Blue (15%)



- Red (15%)
- Yellow (92%)
- Blue (92%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (8%)





- Cyan (85%)
- Magenta (8%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6257, 59.4235, 11.7752 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.6257, 59.4235, 11.7752 by changing the saturation by 10% instead.


 30.6257, 59.4235,
11.7752


 30.6257, 59.4235,
11.7752


296.6680,
422.4695, 213.8361

 20.4644, 42.9541,
6.4701


 60.0302, 103.9929,
29.7433


 12.8433, 29.8491,
3.0596


 80.0040, 132.8618,
43.2433


 7.3970, 19.7241,
1.1252


 103.9795,
166.6326, 60.3121

 3.7601, 12.1946,
0.0000

 132.3219,
205.6897, 81.3682

 1.5673, 6.8764,
0.0000

 165.3966,
250.4176, 106.8301

 0.3710, 3.3849,
0.0000

 203.5689,

 0.0000, 1.3358,

301.2006, 137.1164

0.0000

247.2043,
358.4231, 172.6455

■ 0.0000, 0.1687,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.6257, 59.4235,
11.7752

■ 30.6257, 59.4235,
11.7752

■ 29.7216, 58.9910,
10.2951


■ 32.3166, 60.2375,
14.5403


■ 29.4241, 58.8481,
9.8084

■ 34.9154, 61.4858,
18.7915


■ 38.5269, 63.2206,
24.6989


■ 43.2404, 65.4848,
32.4089

 49.1357, 68.3166,
42.0517

 56.2850, 71.7508,
53.7454

 64.7547, 75.8192,
67.5989

 74.6068, 80.5517,
83.7131

 85.8990, 85.9759,
102.1828

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9680, 59.4235, 3.9591



30.6257, 59.4235, 11.7752



24.1640, 59.4235, 40.5026

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.6257, 59.4235, 11.7752



47.2380, 59.4235, 273.1607



108.3070, 59.4235, 35.2957

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.6257, 59.4235, 11.7752



49.5087, 24.8842, 80.0297

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.3856, 59.4235, 97.0146



30.6257, 59.4235, 11.7752



69.8067, 59.4235, 267.9834

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.6257, 59.4235, 11.7752



31.9085, 59.4235, 201.9329



93.8769, 59.4235, 190.5169



91.2322, 59.4235, 10.1104

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.6257, 59.4235, 11.7752



23.6945, 59.4235, 80.3600



93.8769, 59.4235, 190.5169



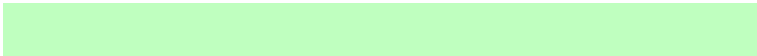
110.6840, 59.4235, 51.2229

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.6271, 59.4260, 11.7765



66.7407, 86.4016, 62.5965



63.7233, 76.4877, 13.3244



13.6118, 18.1700, 12.2966



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.6271, 59.4260, 11.7765



35.7601, 71.5200, 11.9205



34.7404, 61.0713, 33.4368



14.8684, 16.8622, 15.9900



16.5341, 33.0681, 5.5117



1.2983, 2.5966, 0.4329

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.5087, 24.8842, 80.0297



59.2874, 28.4790, 96.9665



39.1382, 20.7360, 25.4195



15.7148, 15.3138, 19.0496



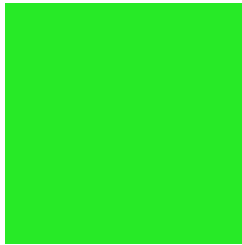
27.4122, 13.1676, 44.8337



2.1525, 1.0340, 3.5206

Previews

White Background



This preview shows how the XYZ color 30.6257, 59.4235, 11.7752 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.6257, 59.4235, 11.7752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6257, 59.4235, 11.7752

Background



This preview shows how black text looks on a background with the XYZ color 30.6257, 59.4235, 11.7752.

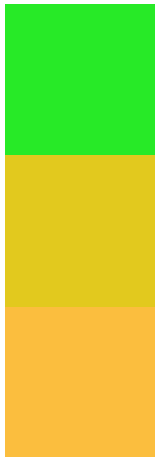


This preview shows how white text looks on a background with the XYZ color 30.6257, 59.4235,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.6257, 59.4235, 11.7752

Protanopia

52.4850, 58.0358, 9.6641

Deuteranopia

59.0666, 57.6839, 12.5784



Tritanopia

45.6603, 59.0245, 87.5836

Trichromacy



Original Color

30.6257, 59.4235, 11.7752



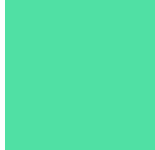
Protanomaly

38.1693, 54.9674, 10.0369



Deuteranomaly

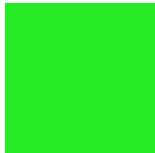
40.1927, 53.4076, 11.6804



Tritanomaly

36.6648, 57.6971, 44.3262

Monochromacy



Original Color

30.6257, 59.4235, 11.7752



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.3347, 38.0705, 21.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6257, 59.4235, 11.7752 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(39, 234, 39)` looks like.

```
.text, #text, p{  
    color:rgb(39, 234, 39)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(39, 234, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 234, 39) }
```

Border

The CSS property to change the border of an element to XYZ 30.6257, 59.4235, 11.7752 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(39, 234, 39) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(39, 234, 39) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(39, 234, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 234, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 234, 39);  
box-shadow:4px 4px 4px 4px rgb(39, 234,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6257, 59.4235, 11.7752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 234, 39) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(39, 234,  
39) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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